

# Infrastructure by Province

## **BADAKHSHAN PROVINCE**

**Goal:** Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Badakhshan Province improves road, power, and water facilities; builds the capacity of local workers; and supports the provincial economy using locally available materials.

#### **Current Activities:**

- Construct a causeway in Sabz-e-Bahar village to allow seamless travel along the Kishim-Fayzabad Road
- Maintain the Kishim-Fayzabad Road while building the capacity of the local Ministry of Public Works office to eventually manage road maintenance by Afghan contractors in the future
- Design and rehabilitate four micro-hydro systems and construct a new hydro facility to provide electricity to 9,000 residents of Shuhada, Jurm, Khash, Ishakashim, and Ishkasehim districts
- Assess the feasibility of constructing new potable water supply systems in Kishim, Argo, Daryem, Yawan, and Zone 6 in Fayzabad
- Upgrade the Fayzabad Airport in collaboration with the Ministry of Finance, the Ministry of Transportation and Civil Aviation, and the Asian Development Bank

### **Accomplishments:**

- Upgraded the 103 km Kishim-Fayzabad Road, facilitating travel in all weather conditions, improving economic opportunities, and providing access to markets, health services, and educational institutions for the residents of the 30 villages that the road passes through. The completed road has resulted in many benefits including:
  - o Reduced travel times between the two cities from 7-8 hours to 2-3 hours
  - o Increased land values along the road from \$3,000/acre to \$20,000/acre in anticipation of increased business opportunities
  - Increased the number of students in school and visits to health clinics as a result of improved access
  - o Increased the number of businesses along the road from 90 to 190
- Increased Badakhshan's power supply through the conversion of water mills into micro-hydro power plants and the refurbishment of the Fayzabad Hydroelectric Station
- Facilitated trade and delivery of social services, and rehabilitated 13 roads, including four district center roads in Baharak, Fayzabad, and Kishim districts
- Improved flood control management by constructing five retaining walls
- Upgraded the water supply system in Baharak and the sanitation system of Fayzabad, improving overall public sanitation and hygiene

## **BAGHLAN PROVINCE**

**Goal:** Improve transportation and water infrastructure in Baghlan in order to increase access to economic opportunities and improve health.

**Summary:** The infrastructure program in Baghlan focuses on improving the road network and water facilities, building the capacity of local workers, and supporting the provincial economy through the use of locally available materials.



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#### **Current Activities:**

- Provide maintenance and temporary improvements to ensure that the Bamyan-Dushi Road is passable, especially during the winter
- Improve health through the development of potable water supply systems in eight communities, benefiting more than 4,000 residents

### **Accomplishments:**

- Completed the design work needed to enable the reconstruction of the Bamyan-Dushi Road, which will
  open economic opportunities for the two provinces, and provide an alternate route to the Salang Pass,
  which will ensure safe, year-round transportation between Kabul and Afghanistan's northern provinces
- Facilitated trade and access to social services by rehabilitating the Darqad, Jue Naw, and Mongalah roads, covering 37 km
- Supported commerce and shortened travel times after rehabilitating the Baghlan and Nahrin district center roads, covering 4 km

### **BALKH PROVINCE**

Goal: Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Balkh Province focuses on the construction of roads, water, and housing facilities, while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

#### **Current Activities:**

- Install components of the Reactive Power Compensation equipment and the National Load Control Center that will enhance the reliability, efficiency, and safety of the North East Power System that transports power from Afghanistan's northern neighbors to meet the energy demand in Kabul and the northeastern areas of the country
- Provide technical assistance to the Ministry of Public Works in maintaining the Balkh to Andkhoy section of the Ring Road using Afghan contractors
- Assess the feasibility of constructing deep wells and piped water systems to provide potable water supply to villages in Dawlatabad and Zara districts

- Completed a wind resource assessment to determine the potential for harnessing wind energy into a source of power for communities outside the power grid
- Improved water management capacity through technical assistance to the Balkh Department of Hydrology and Water Management
- Funded a feasibility study of a water supply system in Alburz District, helping improve access to water for rural villagers
- Replaced the water tower in Mazar-i -Sharif to bring clean water to one of Afghanistan's largest cities
- Reconstructed houses and installed safe water units for returning refugees, providing them with a foundation to begin rebuilding their lives



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- Transferred the assets, liabilities, employees, and all rights and obligations of the Balkh branch of the Central Authority for Water Supply and Sewerage to a new corporation (Afghan Urban Water Supply & Sanitation Corporation) that will lead to better water and sanitation services for the people of Balkh
- Rehabilitated two bridges, nine farm-to-market roads, two district center roads, and one district road, with a total length of 31 km, facilitating travel and movement of goods and services

#### **BAMYAN PROVINCE**

**Goal:** Improve infrastructure in order to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Bamyan Province focuses on constructing road, energy, and water networks, building the capacity of local workers, and supporting the provincial economy by using locally available materials.

#### **Current Activities:**

- Provide maintenance and temporary improvements to ensure that the Bamyan-Dushi road is passable, especially during the winter
- Construct potable water supply systems to improve health and sanitation
- Construct thirteen bore wells in Shadidan District
- Improve access to electricity through the provision of 1,000 solar lanterns, and installation of solar street lights and solar home systems in Yakowlang District
- Develop a hydropower system that will benefit more than 18,000 residents of Topchi village

### **Accomplishments:**

- Completed the design work needed to reconstruct the Bamyan-Dushi road, which will provide an alternate route to the Salang Pass, ensuring safe, year-round transportation between Kabul and Afghanistan's northern provinces
- Constructed 400 meters of drainage systems and retaining walls to improve sanitation and prevent floods
- Increased Bamyan's power supply by converting water mills into hydro-electric stations
- Refurbished the two-kilometer Bamyan Airport Road and rehabilitated five bridges, facilitating movement of goods and services
- Rehabilitated a two-kilometer extension of the Bamyan Airport road to the Bamyan bazaar to facilitate the transport of goods to and from Bamyan's marketplace

#### **DAYKUNDI PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Daykundi Province focuses on improving the road linkages within the province and with Uruzgan Province, while building the capacity of local road workers and supporting the provincial economy through the use of locally-available materials.

#### **Current Activities:**

 Rehabilitate the Chora to Gizab Road to connect Daykundi and Uruzgan provinces, and facilitate access to markets and government and social services



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# **FARAH PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Farah Province focuses on road construction while building the capacity of local workers and supporting the provincial economy through the use of local materials.

#### **Current Activities:**

Maintain the reconstructed roads and strengthen the capacity of the Ministry of Public Works Provincial
Office to manage road maintenance by Afghan contractors

#### **Accomplishments:**

 Reconstructed the Farah portion of the Kandahar-Hirat Highway (145 km) and constructed the 68 km road from Farah to the Ring Road, linking the province to the rest of the country

### **FARYAB PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Faryab Province focuses on improving transport and water facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

#### **Current Activities:**

 Upgrade the Maimana Airport in collaboration with the Ministry of Finance, the Ministry of Transportation and Civil Aviation, and the Asian Development Bank

## **Accomplishments:**

- Rehabilitated the Sar-e-Haus Dam to help relieve drought and deliver substantially more water to farmers for irrigation
- Brought safe water to Shirin Tagab by conducting a water supply feasibility study and improving the potable water system
- Improved two district center roads (Pashton Kot and Khoja Musa) totaling four kilometers, thereby facilitating travel and trade

### **GHAZNI PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Ghazni Province focuses on the improvement of roads, water, and energy facilities while building the capacity of local institutions and workers, and supporting the provincial economy using locally available materials.



# Infrastructure by Province

- Rehabilitate the Ghazni-Gardez National Highway to connect the provincial centers of Ghazni and Paktya
  to the Ring Road, passing through 40 villages (the highway will expand economic opportunities and
  facilitate access to health and education facilities when completed)
- Upgrade the provincial road from Jaghuri to Malistan to Khas Uruzgan into an engineered gravel road
- Maintain the Ghazni portion of the Ring Road and the Ghazni to Sharan Road, and strengthen the capacity of the Ministry of Public Works to manage road maintenance by Afghan contractors
- Improve the sustainability and service delivery of the Ghazni water utility by helping reduce losses, increase cost recovery and strengthen management
- Improve water supply and sanitation through the construction or repair of water supply systems and latrines in Dah Yak, Rabat, Nawur, Hasan Abad, Ali Abad, Rabat, Selemanzi, Kelye and Sartur Baba

#### **Accomplishments:**

- Installed solar systems to provide electricity and hot water to clinics in Ramak and Tormai villages
- Rehabilitated the 122 km Ghazni section of the Ring Road and the 33 km Ghazni-Sharan Road, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions
- Constructed 12 wells and provided 24 hand-pumps to improve hygiene and sanitation of local residents
- Trained 20 personnel on the use of well-digging equipment and water sanitation technology
- Provided additional power and water system capacity through the construction of two dams, the Ghazni reservoir, and the Ghazni transmission pipeline
- Explored new energy possibilities through wind power generation testing
- Constructed the Ghazni water distribution system to provide safe, potable water to 1,200 households

### **GHOR PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program focuses on improving road, power, and health facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available construction materials.

### **Current Activities:**

- Improve access to electricity through the provision of 1,000 solar lanterns and the installation of solar systems in health clinics located in Teura, Toluk and Pusaband districts
- Conduct an assessment for the development of a hydropower system that will benefit more than 8,000 residents of Chawkchiran District

## **Accomplishments:**

- Refurbished the 12 km Chaghcharan community road and the Chaghcharan bridge to connect communities and provide access to essential services
- Constructed a new water and sewage system at the Chaghcharan Hospital to improve health and sanitation

# **HILMAND PROVINCE**



# Infrastructure by Province

**Goal:** Improve infrastructure in order to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Hilmand Province focuses on the construction of roads, water, and energy facilities, while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

#### **Current Activities:**

- Rehabilitate the 77 km Garmser to Lashkar Gah Road to extend access to trade and social services to rural areas
- Maintain the 110 km Hilmand section of the Ring Road extending to Lashkar Gah, and strengthen the capacity of provincial staff of the Ministry of Public Works to implement road maintenance through Afghan contractors
- Provide operations and maintenance support to the Lashkar Gah Power Plant
- Renovate the Durai Junction substation
- Renovate the Kajaki substation and local distribution system to add 18 megawatts of renewable power to the Southeast Power System and customers will see an increase in reliability of electricity supply
- Install 144 solar street lights in Nawzad District

# **Accomplishments:**

- Rehabilitated Kajaki's existing turbine generators (units #1 and #3) to restore the power generating capacity of the Kajaki Hydroelectric Power Plant to its original capacity of 33 megawatts
- Built and provided fuel for a diesel power plant in Lashkar Gah to supplement output from Kajaki and provide backup electricity for residents of Lashkar Gah
- Rehabilitated the Hilmand section of the Ring Road in cooperation with the government of Saudi Arabia, and constructed/rehabilitated the 49 km road linking the provincial capital of Lashkar Gah to the Ring Road (the Ring Road through Hilmand Province increased trade and commerce, reduced travel time by up to 65 percent, and decreased transport costs)
- Constructed the two-kilometer Nawa District Center Road to facilitate access to government services
- Constructed or rehabilitated 265 wells/water supply outlets to increase access to water supply, improving the health of people and livestock and augmenting crop yields
- Installed 800 latrines for internally displaced persons and trained more than 25,000 people on hygiene and sanitation
- Trained more than 500 mechanics in operating and maintaining wells
- Improved local capacity to operate and maintain water and sanitation facilities to ensure that citizens will continue to have access to clean water

#### **HIRAT PROVINCE**

Goal: Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Hirat Province focuses on the construction and maintenance of the road network while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.



# Infrastructure by Province

- Maintain the Hirat section of the Ring Road and two provincial roads to keep them passable at all times and to reduce vehicle operating expenses
- Strengthen the capacity of the provincial Road Maintenance Unit and Afghan contractors to conduct effective and sustainable road maintenance
- Conduct a wind resource assessment to determine the potential of harnessing wind energy as a source of power for rural communities outside the grid

#### **Accomplishments:**

- Rehabilitated the 160-km Hirat section of the Ring Road to connect the province to the rest of the country, reducing travel time for passenger buses from Kabul and Kandahar by more than 70 percent
- Constructed 10 kilometers of district center roads and 18 kilometers of provincial roads, decreasing travel time, and facilitating transport of agricultural inputs and products

# **JAWZJAN PROVINCE**

Goal: Improve transport and energy infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program focuses on the construction and maintenance of roads and the development of the Shibirghan Gas Fields and a power plant.

#### **Current Activities:**

- Provide technical assistance to the Ministry of Mines to facilitate new and expanded use of gas from the Shibirghan Gas Fields
- Prove gas reserves and construct gas transmission infrastructure, upgrade the existing gas pipeline, and rehabilitate the existing 48 MW power plant
- Leverage and mobilize other donor investments in Shibirghan to support gas compression, sweetening, power transmission line construction, and power purchase guarantees, as well as private investment in the construction of a 200 MW power plant
- Maintain the road from Shibirghan to Sari Pul in order to keep it passable at all times and to reduce vehicle operating expenses
- Strengthen the capacity of the Ministry of Public Works to manage road maintenance by Afghan contractors

#### **Accomplishments:**

 Rehabilitated the road from Shibirghan to Sari Pul, two district center roads, and 28 culverts, cutting travel time, providing protection from floods and facilitating access to markets, health services, and educational institutions

## **KABUL PROVINCE**

**Goal:** Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Kabul Province focuses on the construction of roads, water, and energy facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.



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#### **Current Activities:**

- Construct a National Load Control Center in Kabul that will help increase system reliability, efficiency, and safety within the North East Power System from which Kabul obtains its power supply
- Maintain the Kabul-Gardez road to facilitate travel and reduce vehicle operating costs, with training to strengthen the capacity of the Ministry of Public Works to implement road maintenance through Afghan contractors
- Support the Kabul Electricity Directorate to improve the power utility's operating efficiency and cost recovery, enabling it to sustain its operations and provide for the expansion of services to more households and businesses
- Refurbish the Ministry of Transport and Civil Aviation building
- Design a new complex for the Ministry of Public Health with construction of the new building and related utilities expected to commence in 2011
- Build the capacity of the Afghan power utility, Da Afghanistan Breshna Sherkat, to operate and maintain the Tarakhil Power Plant
- Develop a sustainable training organization to build Afghan technical, managerial, and administrative capacity in the energy sector
- Conduct a wind resource assessment to determine the potential of harnessing wind energy as a source of power for rural communities

## **Accomplishments:**

- Increased access to clean water through the installation of 1.9 km of water pipes in Badam Bagh to promote healthy people, livestock, and crops
- Rehabilitated the five kilometer Kabul portion of the Ring Road and the Kabul-Gardez road to link Kabul to the rest of the country
- Upgraded two urban roads (Bibi Mahro (Airport) road and Shash Darak road), two traffic circles, and three intersections to facilitate traffic movement and enhance security within the city
- Provided approximately \$100 million for fuel to light the city of Kabul
- Constructed the Tarakhil Power Plant to provide an additional 105 megawatts of generating capacity to meet the needs of Kabul's residents and businesses

# KANDAHAR PROVINCE

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Kandahar Province focuses on improving roads, water, and energy facilities while building the capacity of local workers and supporting the local economy through the use of locally available materials.

- Support operation and maintenance of the Kandahar diesel generation plant and train the Afghan staff to provide such services in the future
- Improve the sustainability of the Kandahar electric utility by reducing its systems losses, enhancing cost recovery, and strengthening management
- Rehabilitate portions of the provincial road from Shah Wali Kot to Nesh



# Infrastructure by Province

- Rehabilitate the 35 km Route Red Dog to help improve security and spur economic development
- Maintain the Kandahar to Tirin Kot Highway and strengthen the capacity of provincial staff of the Ministry of Public Works to implement road maintenance through Afghan contractors
- Begin work to improve the Southeast Power System (SEPS), which is the significant source of electricity in Southern Afghanistan serving 380,000 of the 1.7 million people residing in the region
- Upgrade the transmission substations that are the backbone for electrical transmission, and renovate the distribution system to residences and businesses such that the power can be used

### **Accomplishments:**

- Rehabilitated 169 km of the Ring Road, reducing travel time of passenger buses from Kabul and Hirat by 67 percent and 73 percent respectively
- Constructed eight kilometers of paved road in Arghistan District
- Rehabilitated the 58 km Kandahar to Arghistan provincial road, the 66-km Kandahar to Tirin Kot National Highway, and four district center roads in Zharai, Daman, Shega and Maywand, with a combined length of 9 km
- Rehabilitated the 68 km Spin Boldak to Bikah Road to help improve security and spur economic development
- Constructed or refurbished one dam, four wells, and one water tank, increasing water supply for residential consumption and agricultural use
- Improved the Kandahar Airport terminal and airstrip, more effectively connecting residents to other parts
  of the country and region
- Installed 20 solar street lights in Maiwand district center, 50 solar street lights in Arghandad district center, and distribution of approximately 700 solar lanterns in Panjwayee District
- Erected 12 solar street lights in Panjwayee District

#### **KAPISA PROVINCE**

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Kapisa Province focuses on the construction of roads, renewable energy systems, and water wells while building the capacity of local workers and supporting the local economy through the use of locally available materials.

#### **Current Activities:**

- Construct 77 bore wells to provide potable water supply to residents of Nejrab District
- Install 25 solar home systems to provide electricity to 200 residents of Tagab District

- Constructed micro-hydro power plants by rehabilitating 20 water mills to increase access to potable water supplies and provide energy across Kapisa Province
- Built three bridges and rehabilitated the Kohband District Center Road, shortening travel time, improving
  economic opportunities, and providing access to health services and educational institutions
- Constructed or refurbished wells in Alasay and Nijrab districts to increase access to water supply, improving the health of people, livestock, and crops



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### **KHOST PROVINCE**

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Khost Province focuses on the construction of roads, renewable energy systems, and water and sanitation facilities, while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

#### **Current Activities:**

- Rehabilitate the 101 km road connecting Khost Province near the Pakistani border to Gardez, and on to
  the Ring Road to connect the isolated province of Khost to the rest of the country, and open up
  opportunities for regional trade with Pakistan, in addition to providing Khost residents with all-weather
  access to government and social services
- Construct the 12 km Musa Khel to Khost Mela gravel road to extend economic development and social services to the rural area, and to increase security
- Construct 25 bore wells to increase access to potable water and sanitation for an estimated 8,000 residents of Nader Shah Kot District
- Install up to 500 solar home systems to provide electricity to some 2,500 residents of Nader Shah Kot District

# **Accomplishments:**

- Constructed or refurbished 247 wells to increase access to water supply, improving the health of people, livestock, and crops
- Constructed or refurbished 440 latrines to improve hygiene and sanitation
- Provided stability and protection from floods through the construction of three retaining walls, including the Khost to Gardez Road retaining wall
- Funded the construction/rehabilitation of eight district administration buildings to improve access to government services
- Constructed the 10 km gravel road from Tani to Shekhamir, reducing travel time and providing access to health services and educational institutions

#### **KUNAR PROVINCE**

Goal: Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Kunar Province focuses on the construction of roads and sanitation facilities while building the capacity of local workers and supporting the local economy through the use of locally available materials.

- Design the rehabilitation of a 700 KW hydropower system to provide electricity to some 15,000 residents of Asadabad
- Construct 27 bore wells to provide a potable water supply to residents of Nurqui District
- Build the Chawki to Khas Kunar Bridge, linking communities and encouraging trade
- Maintain the Jalalabad to Asmar Road and strengthen the capacity of the Provincial Road Maintenance Unit of the Ministry of Public Works to manage road maintenance by Afghan contractors



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## **Accomplishments:**

- Rehabilitated the 90 km Jalalabad to Asmar provincial road, shortening travel time, improving economic
  opportunities, and providing access to health services and educational institutions
- Trained local workers on cobblestone road construction, boosting local capacity to improve the transportation infrastructure
- Rehabilitated one rural sanitation system, improving hygiene and sanitation for residents

### **KUNDUZ PROVINCE**

Goal: Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Kunduz Province focused on improving roads while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

## **Ongoing Activities:**

Prepare to conduct a water activity in Khanabad District

#### **Accomplishments:**

Built the 2.2 km Archi District Center Road, the 1.7 km Imam Sahib District Center Road, and the 19.1 km Imam Sahib Connector Road, shortening travel time, opening economic opportunities, and providing access to health services and educational institutions

## **LAGHMAN PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Laghman Province focuses on the construction of government buildings and roads, water, and flood control facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

#### **Current Activities:**

- · Construct 26 bore wells to provide potable water supply to residents of Mehterlam District
- Build the Qarghayi District Bridge to link the community to its neighbors and encourage trade

- Increased access to potable water through the construction of 101 wells in Qarghayi District
- Constructed the Department of Power and Energy building addition
- Rehabilitated the Abizai Bridge, road, and culvert in Qarghayi district, shortening travel time, improving economic opportunities, and facilitating access to health services and educational institutions
- Provided protection from floods through the construction of two retaining walls, including the Alishing district bazaar protection wall
- Constructed or refurbished 137 wells to increase access to water supply and improve the health of people, livestock, and crops



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- Constructed Alishing, Alingar, and Dawlat Shah district government buildings to improve delivery of government services
- Upgraded the four-kilometer Mendrawar Junction to Qarghayi Road to extend economic development, and government and social services to the rural areas

#### LOGAR PROVINCE

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Logar Province focuses on the construction of road and water facilities while building the capacity of local workers and supporting the local economy using locally available materials.

#### **Current Activities:**

- Build up to 350 bore wells in Baraki Barak and Kharwar to increase access to potable water
- Construct major portions of the Azra to Sherzad Road and the Qasem Khel to Berkaray Road
- Maintain the national highways in Logar Province and strengthen the capacity of the Ministry of Public Works' Provincial Road Maintenance Unit to manage road maintenance by Afghan contractors

### **Accomplishments:**

- Improved health and sanitation through the construction of 30 water wells in Pul-e-Alam and the rehabilitation or construction of over 1,000 latrines
- Reconstructed the 42 km Kabul to Gardez Road, the 35 km Puli Alam to Ring Road, one district center road, and a bridge, connecting the province to the rest of the country
- Rehabilitated 5,650 dams and irrigation structures to increase access to water supply and iimprove the health of people, livestock, and crops

## NANGARHAR PROVINCE

**Goal:** Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Nangarhar Province focuses on the rehabilitation of roads, power, water, and sanitation facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

- Rehabilitate the Darunta Hydroelectric Power Plant to increase access to reliable power supply
- Upgrade provincial roads from Shinwar to Dur Baba and major portions from Azra to Shirzad to increase economic opportunities
- Maintain the Jalalabad-Asmar Road and strengthen the capacity of the provincial Road Maintenance Unit to implement road maintenance through Afghan contractors
- Assist the Jalalabad water utility improve its operating efficiency and cost recovery so that it can operate
  in a sustainable manner
- Improve health and sanitation by constructing 62 bore wells in Khewa District and building or improving over 500 latrines in the districts of Kuz Konar, Bati Kot, Haska Mina, Deh Bala, and Khewa



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# **Accomplishments:**

- Upgraded the 8-km provincial road from Wazir to Khadakhel into an engineered gravel road
- Built 26 new dug wells and rehabilitated 18 existing dug wells in Spinghar District to improve access to potable water
- Constructed or refurbished 165 water and sanitation facilities, two dams, and four reservoirs to increase water supply, and improve the health of people, livestock, and crops
- Improved the 90 km Jalalabad-Asmar Provincial Road, six district center roads, and three rural roads, to shorten travel time, improve economic opportunities, and provide access to health clinics and educational institutions
- Trained local workers in 17 districts on the construction of cobblestone roads

#### NIMROZ PROVINCE

Goal: Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

Summary: The infrastructure program for Nimroz Province focuses on the rehabilitation of roads and water supply facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

# **Current Activities:**

Maintain the Nimroz section of the Ring Road while strengthening the capacity of the Provincial Road Maintenance Unit of the Ministry of Public Works to manage road maintenance by Afghan contractors

#### **Accomplishments:**

- Constructed or refurbished 124 wells to increase the residents' access to potable water, and improve the health of people, livestock, and crops
- Rehabilitated the Nimroz section of the Ring Road to connect the province to the rest of Afghanistan

#### **NURISTAN PROVINCE**

Goal: Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

Summary: The infrastructure program in Nuristan Province focuses on the construction of renewable energy systems and water and sanitation facilities while building the capacity of local workers and supporting the local economy through the use of locally available materials.

#### **Current Activities:**

Provide access to electricity through the installation of four solar school systems and twelve solar streetlights to benefit students and residents of Khawia District

### **Accomplishments:**

Constructed or refurbished water and sanitation facilities, installed latrines, and provided hygiene education

### **PAKTIKA PROVINCE**



# Infrastructure by Province

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Paktika Province focuses on the construction of transportation, building, and water facilities while building the capacity of local workers and supporting the local economy using locally available materials.

#### **Current Activities:**

- Upgrade a major portion of the road from Yahya Khel to Khayer Kot to improve access to economic opportunities and social services for the villagers
- Maintain the Ghazni to Sharan Road and strengthen the capacity of the Ministry of Public Works to manage road maintenance by Afghan contractors

# **Accomplishments:**

- Constructed or refurbished 57 wells to increase access to clean water, improving the health of people, livestock, and crops
- Upgraded the 21 km Mest Khel-Ghundakay Road into an engineered gravel road
- Improved the Sharan Airstrip, more effectively connecting residents to the country and region
- Constructed the Ghazni to Sharan Road, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions
- Supported displaced people returning to the province by providing temporary shelter and reconstructing houses

### **PAKTYA PROVINCE**

**Goal:** Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Paktya Province focuses on the improvement of roads, water, and sanitation facilities while building the capacity of local workers and supporting the local economy through the use of locally available materials.

- Reconstruct the 101 km Gardez to Khost Road that links more than 60 villages along the Pakistan bordder in order to facilitate access to markets, encourage licit agricultural production, and promote regional trade with Pakistan
- Improve the road that connects Gardez to Ghazni near the Ring Road to connect Paktya Province to the rest of the country and facilitate the local population's access to markets, health services and education
- Upgrade the provincial road from Hassan Khel to Ster Village and a major portion of the provincial road from Chamkani to Jani Khel to extend economic opportunities and social services to rural communities
- Improve a major portion of the Qasem Khel-Ali Khel-Berkaray Road Maintain the Kabul to Gardez Road while strengthening the capacity of the Provincial Road Maintenance Unit of the Ministry of Public Works to manage road maintenance by Afghan contractors
- Assist the Gardez water utility to improve its operational efficiency and cost recovery so that it can provide
  a potable water supply to its customers in a sustainable manner
- Construct 44 bore wells to provide potable water supply to residents of Gardez



# Infrastructure by Province

Assess the feasibility of rehabilitating an existing hydropower facility in Gardez to provide electricity to more than 12,000 residents

## **Accomplishments:**

- Constructed or refurbished 57 wells to increase access to a clean potable water supply, improving the health of people, livestock, and crops
- Rehabilitated the province's sanitation system and upgraded the Gardez water supply system, improving hygiene and access to safe water for Paktya residents
- Improved the 36 km Kabul to Gardez Road, more effectively connecting residents to other parts of the country
- Increased the capacity of the Paktya Department of Power and Energy by expanding its office space, enabling staff to work more efficiently

#### **PANJSHER PROVINCE**

Goal: Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

Summary: The infrastructure program in Panisher Province focuses on hydropower, water-supply systems, and road construction and maintenance, while building the capacity of local workers and supporting the provincial economy using locally available materials.

## **Current Activities:**

- Rehabilitate the existing hydropower facility in Anabah District to provide electricity to 9,000 local
- Maintain the Panjsher Valley Road to facilitate travel and reduce vehicle operating costs
- Strengthen the capacity of the Provincial Road Maintenance Unit under the Ministry of Public Works to manage road maintenance by Afghan contractors
- Construct gravity-fed, piped-water supply systems that will provide potable water to residents of Khini, Anabah, Dara, and Anabah districts

## **Accomplishments:**

Constructed the Panjsher Valley Road, shortening travel time and increasing access to health care, education, and economic opportunities

#### PARWAN PROVINCE

Goal: Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

Summary: The infrastructure program in Parwan Province focuses on the rehabilitation of roads, power, water and sanitation facilities while building the capacity of local workers and supporting the provincial economy using locally available materials.

#### **Current Activities:**

Maintain the Gulbahar to Baharak Road to facilitate travel and reduce vehicle operating costs



# Infrastructure by Province

- Strengthen the capacity of the Provincial Road Maintenance Unit of the Ministry of Public Works to manage road maintenance utilizing Afghan contractors
- Design gravity-fed, piped-water supply systems that will serve 11 villages in Jabulseraj District for eventual construction
- Design a new micro-hydro facility and the rehabilitation of an existing one in Salang District to provide power to 2,500 local residents

## **Accomplishments:**

- Rehabilitated the sanitation system in Kohi Safi District, improving hygiene and sanitation for Parwan residents
- Boosted energy output through the conversion of 20 water mills into hydro-electric plants
- Constructed the Mahgir, Akhtachi, and Matak dams to increase access to water supply, and improve the health of people, livestock, and crops
- Rehabilitated the Jabal Saraj to Gulbahar District Road and the Chaharikar to Gulbahar Provincial Road, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions

### **SAMANGAN PROVINCE**

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Samangan Province focuses on the construction of roads, water, and power facilities while building the capacity of local workers and supporting the local economy through the use of locally available materials.

#### **Current Activities:**

Assess the feasibility of constructing a deep well in Royi Doab District

# **Accomplishments:**

- Constructed or rehabilitated 106 culverts, one bridge, and one district center road, shortening travel time, improving access to economic opportunities, and providing protection from floods
- Upgraded the Aybak power distribution system to provide electricity to more households and businesses

## **SARI PUL PROVINCE**

Goal: Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Sari Pul Province focuses on the rehabilitation of roads and water facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

- Maintain the Shibirghan to Sari Pul Road to facilitate travel and reduce vehicle operating costs
- Strengthen the capacity of the Provincial Road Maintenance Unit of the Ministry of Public Works to implement an effective road maintenance program utilizing Afghan contractors



# Infrastructure by Province

## **Accomplishments:**

- Installed water pipes to increase access to water for the Kohistanat community, improving the health of people, livestock, and crops
- Rehabilitated four kilometers of district center roads and one bridge, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions
- Rehabilitated 54 km of the Shibirghan to Sari Pul Provincial Road

### **TAKHAR PROVINCE**

**Goal:** Improve infrastructure in order to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Takhar Province focuses on the rehabilitation of roads, and water and sanitation facilities, while building the capacity of local workers and supporting the provincial economy using locally available materials.

#### **Current Activities:**

• Improve health and sanitation through hygiene education and the construction or rehabilitation of over 1,500 latrines, benefiting some 10,000 residents of Bahark, Kalafgan, and Hazar Somoch districts

#### **Accomplishments:**

- Renovated the Khwaja Ghar water supply system to provide access to drinking water and irrigation
- Rehabilitated 3.5 kilometers of the Khwajabahaudin and Rustaq district center roads, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions

# **URUZGAN PROVINCE**

Goal: Improve infrastructure to create licit economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Uruzgan Province focuses on the construction of roads and water facilities while building the capacity of local workers and supporting the provincial economy using locally available materials.

#### **Current Activities:**

- Maintain the first 43 kilometers of the Kandahar to Tirin Kot Road to facilitate travel and reduce vehicle operating costs
- Strengthen the capacity of the provincial Road Maintenance Unit to implement an effective road maintenance program utilizing Afghan contractors

- Constructed or refurbished 73 wells to increase access to water supply and improve the health of people, livestock, and crops
- Improved 83 kilometers of the Kandahar to Tirin Kot Road, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions



# Infrastructure by Province

#### **WARDAK PROVINCE**

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program for Wardak Province focuses on the construction and maintenance of roads and power facilities while building the capacity of local workers and supporting the provincial economy through the use of locally available materials.

### **Current Activities:**

- Maintain the Wardak section of the Kabul-Kandahar Highway to facilitate travel and reduce vehicle operating costs
- Strengthen the capacity of provincial staff of the Ministry of Public Works to manage road maintenance by Afghan contractors

# **Accomplishments:**

- Constructed 10 micro-hydro power plants to provide access to electricity
- Rehabilitated the Wardak portion of the Kabul-Kandahar Road, the Chak-e-Wardak and Maydan Shahr District Center Roads, the Jaghatu Rashidan Road, and the Agha Khan Bridge, shortening travel time, improving economic opportunities and facilitating access to health services and educational institutions

## **ZABUL PROVINCE**

**Goal:** Improve infrastructure to create legal economic opportunities, promote freedom of movement, and facilitate delivery of government and social services.

**Summary:** The infrastructure program in Zabul Province focuses on improving roads, water, and energy facilities while building the capacity of local workers and supporting the provincial economy using locally available materials.

## **Current Activities:**

- Maintain the Zabul section of the Ring Road and strengthen the capacity of provincial staff of the Ministry of Public Works to implement road maintenance through Afghan contractors
- Conduct a feasibility study for the construction of a piped water system that will supply potable water to approximately 40,000 residents of Qalat City

- Improved the Qalat power distribution system to provide 24,000 people with access to electricity
- Improved the 170 km Zabul section of the Ring Road, shortening travel time, improving economic opportunities, and providing access to health services and educational institutions
- Constructed or refurbished 65 wells to increase access to water supply and improve the health of people, livestock, and crops
- Constructed the 1.3 km Qalat District Center Road, facilitating access to government and social services